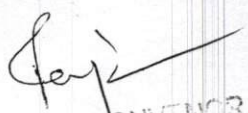


**DR. RAM MANOHAR LOHIA AVADH UNIVERSITY,
AYODHYA**

FYUP B.Sc. (Hons) and M.Sc. (subject): Physics
w.e.f. session 2026-27

Structure of Syllabus Developed by

Name of BOS Convener/ BOS Member	Designation	Department	College/ University
Prof S. S. Mishra	Dean	Faculty of Science	Dr R.M.L. Avadh University, Ayodhya
Prof. Rajeev Kumar Srivastava	Convener	Physics	Ganpat Sahay P G College, Sultanpur
Dr. Anoop Kumar Pandey	Member	Physics	K.S. Saket P.G. College Ayodhya
Dr. Gaurav Mishra	Member	Physics	K.S. Saket P.G. College Ayodhya
Prof. Prabhakar Singh	External Expert	Physics	I.I.T. BHU Varanasi
Prof. (Smt.) Anchal Srivastava	External Expert	Physics	University of Lucknow
Prof. Lallan Yadav	External Expert	Physics	D.D.U. University Gorakhpur


CONVENER
Department of Physics
Prof. Rajeev Kumar Srivastava
Dr. Rammanohar Lohia Avadh University
Ayodhya (U.P.)





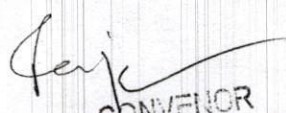
Course Code	Paper Type	Course Title	Credits	T/P	Evaluation	
					CIE	ETE
A	B	C	D	E	F	G
FYUP B.Sc. (Hons) Sem VII/and M.Sc. Sem-I						
B010701T	CORE	Mathematical Methods for Physics	4	T	25	75
B010702T	CORE	Atomic & Molecular Spectroscopy	4	T	25	75
B010703T	CORE	Quantum Mechanics	4	T	25	75
B010704T	CORE	Physics in Daily Life	4	T	25	75
B010705P	CORE	Physics Lab-1	4	P	50	50
Total			20			
FYUP B.Sc. (Hons) Sem VII/and M.Sc. Sem-I						
B010801T	CORE	Advanced Quantum Mechanics	4	T	25	75
B010802T	CORE	Electrodynamics	4	T	25	75
B010803T	CORE	Electronics	4	T	25	75
B010804T	CORE	Lasers, Optical Fibers, and Sensors	4	T	25	75
B010805P	CORE	Physics Lab-2	4	P	50	50
Total			20			
M.Sc. SEMESTER III						
B010901T	CORE	Nuclear Physics	4	T	25	75
B010902T	CORE	Solid State Physics	4	T	25	75
B010903T	CORE	Renewable Energy Resources	4	T	25	75
B010904P	CORE	Physics Lab-3	4	P	25	75
B010905T	Major	Major Research Project	4	R	50	50
Total			20			
M.Sc. SEMESTER IV						
B01101T	CORE	Condensed Matter Physics	4	T	25	75
B011002T	CORE	Communication and Microwave Electronics	4	T	25	75
B011003T	CORE	Digital Electronics & Microprocessor	4	T	25	75
B011004T	CORE	Physics Lab-4	4	P	50	50
B011005P	Major	Research Project	4	R	50	50
Total			20			

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 Dr. Rammanohar Lohia Awadh University
 Ayodhya (U.P.)

Abbreviations: FYUP – Four Year Undergraduate Programme, T – Theory, P – Practical, R – Research Project, CIE – Continuous Internal Evaluation, ETE – End term examination.

Note:

1. Research Project can be replaced by Dissertation or Internship or field/Survey work.
2. Research Project will be annually (Sem. III & IV), evaluated half yearly (Sem III) and finally in Sem. IV same will be applicable for Dissertation or Internship or field/Survey work.
3. For FYUP UG. (Hons. with Research), Students will do one annual Research Project in place of last CORE theory papers of semester VII & VIII. Credit and evaluation will be same as Research Project of PG Semester III & IV.
4. For FYUP Apprenticeship Embedded UG, Students have to do 12 months Apprenticeship of 1200 Hrs from National Apprenticeship Training Scheme (NATS) through NATS 2.0 Portal or from equivalent organisation /Industry/Institute. For this 40 Credit will be earned by the students.


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